EXAMINATION NO.: _____

THE MALAWI NATIONAL EXAMINATIONS BOARD

2025 MALAWI SCHOOL CERTIFICATE OF EDUCATION EXAMINATION

GEOGRAPHY

Subject Number: M073/I

Wednesday, 9 July

Time Allowed: 2 h 30 min
8:00 – 10:30 am

PAPER I

(100 marks)

MAP READING AND PHYSICAL GEOGRAPHY

Instructions

1. **This paper contains 12 printed pages. Please check.**
2. Write your **examination number** on top of each page of this question paper.
3. The paper has two sections **A** and **B**.
4. The number of marks for each answer are indicated against the question.
5. In the table provided on this page, **tick against** the number of the question you have answered.
6. Hand in your **question paper** to the invigilator when time is called to stop writing.

Question Number	Tick if answered	Do not write in these columns	
1			
2			
3			
4			
5			
	Total		

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Section A (75 marks)

Answer **all** the questions in this section.

1. Study the **1:50,000** map extract for Madisi sheet **1333B3** and use it to answer questions that follow.

a. Find the **six-figure** grid reference for borehole **BHW 311**.

_____

(2 marks)

b. Give the compass direction for Mpale **363/MWT** trigonometric station from Chakhaza dispensary in grid **7013**.

_____

(1 mark)

c. Calculate the following:

(i) bearing of Nauchi school from borehole **BHR 156**

_____

_____

(3 marks)

(ii) area of Mpale estate presenting the answer to the nearest **Km^2**

(6 marks)

d. State any **two** economic activities done in the area shown on the map.

_____

_____

(2 marks)

e. Explain whether Nambamba school and Mtiti School are intervisible.

_____

_____

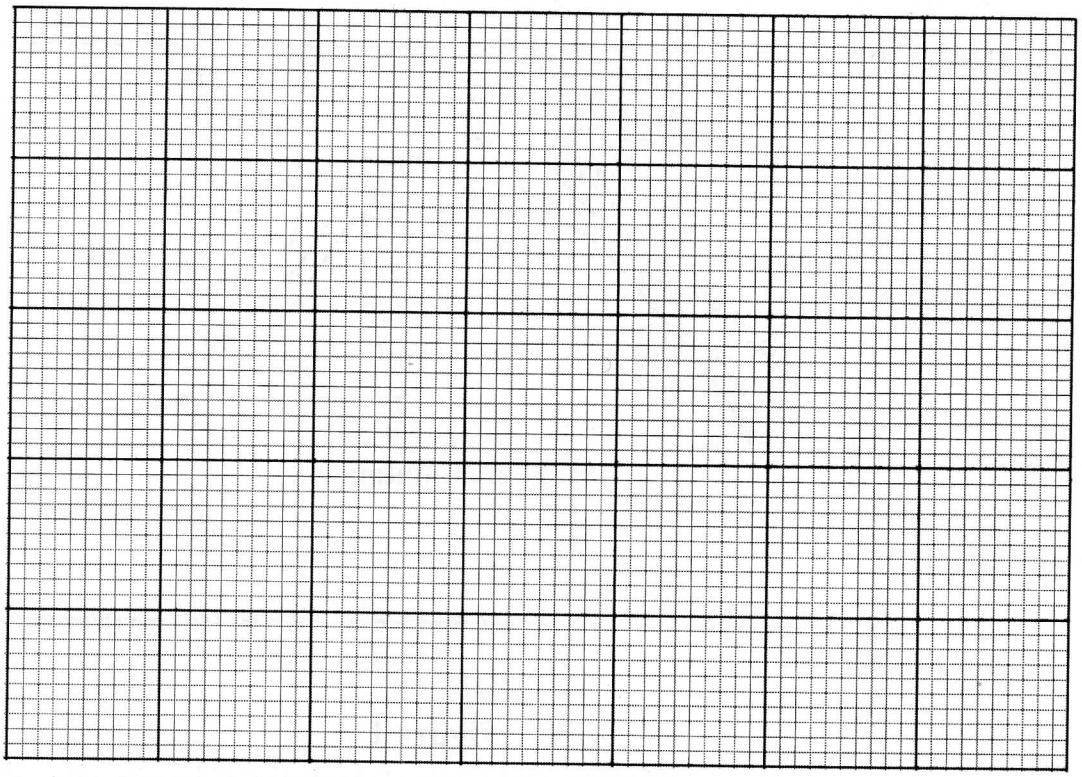
_____

(2 marks)

Continued/…

1. (Continued)

f. Draw a cross section along **Northing 22** between **eastings 63** and **eastings 68**. Use **1cm** to represent **50ft** on vertical axis. **(9 marks)**



2. a. With the aid of a well labelled diagram, describe Cyclonic rainfall.

(7 marks)

Continued/…

2. (Continued)

b. **Figure 1** is a diagram showing the formation of local wind **Y**.

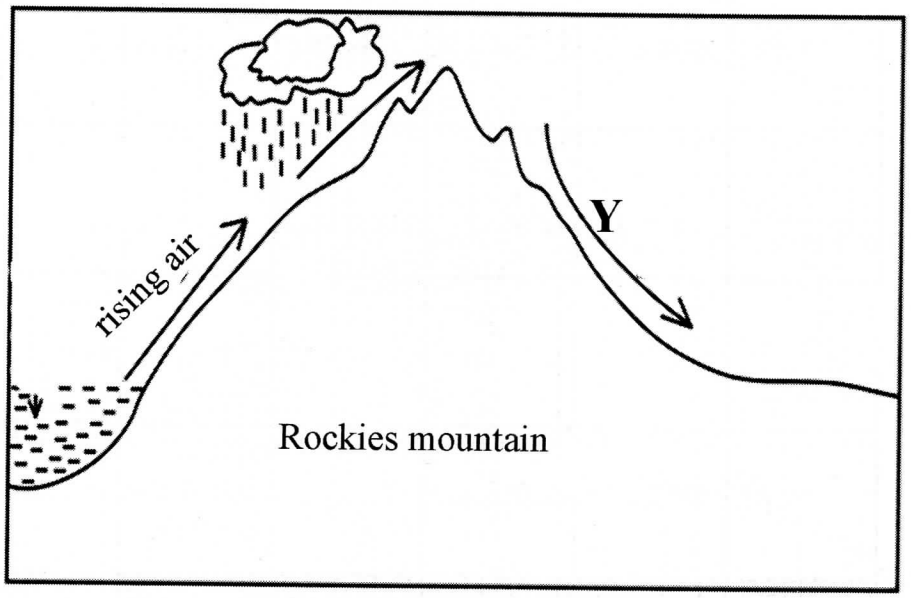


Figure 1

(i) Name the local wind labelled **Y**.

_____

(1 mark)

(ii) Identify the type of local wind for the wind labelled **Y**.

_____

(1 mark)

(iii) Explain any **two** effects of wind **Y** on the affected areas.

_____

_____

_____

_____

_____

_____

(4 marks)

Continued/…

2. (Continued)

c. **Figure 2** is a graph showing climate data for a climate station. Use it to answer questions that follow.

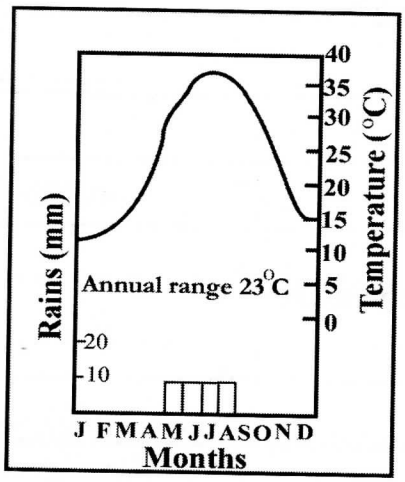


Figure 2

(i) Name the climate which is being represented by the graph.

_____

(1 mark)

(ii) Mention the hemisphere in which the climate station represented by the graph is located.

_____

(1 mark)

(iii) Mention any **two** countries in the southern hemisphere which experience the climate represented by the graph.

_____

_____

(2 marks)

(iv) Explain any **two** climatic problems which are experienced in the climate belt represented by the graph.

_____

_____

_____

_____

(4 marks)

Continued/…

2. c. (Continued)

(v) Describe the climatic conditions for the climate belt represented by the graph, in relation to the following;

1. rainfall

_____

_____

_____

(2 marks)

2. temperature

_____

_____

_____

(2 marks)

3. a. Explain the influence of each of the following factors on desertification.

(i) deforestation.

_____

_____

_____

(2 marks)

(ii) climate change

_____

_____

_____

(2 marks)

b. Describe any **two** hindrances to global implementation of international agreements on climate change.

_____

_____

_____

_____

(4 marks)

Continued/…

3. (Continued)

c. Explain the impact of each of the following activities on wetlands.

(i) afforestation

_____

_____

(2 marks)

(ii) legal protection of wetlands

_____

_____

(2 marks)

d. **Figure 3** is a diagram showing the circulation of ocean currents.

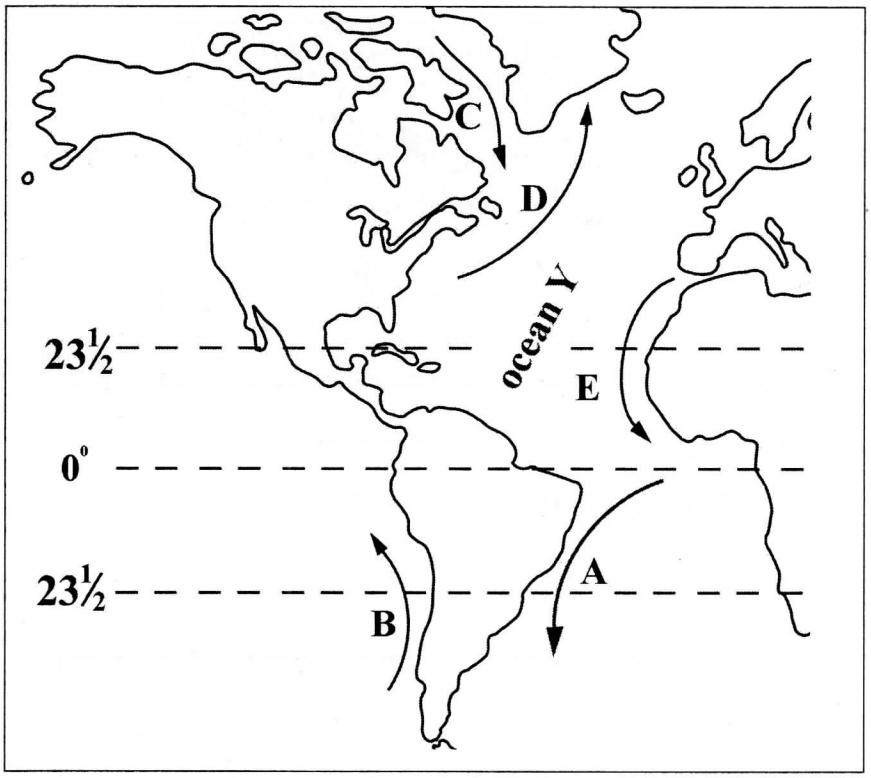


Figure 3

(i) Identify the ocean labelled **Y**.

_____

(1 mark)

(ii) Name the ocean currents labelled **A** and **E**.

A: _____ **(1 mark)**

E: _____ **(1 mark)**

Continued/…

3. d. **(Continued)**

(iii) Explain any **one** effect of each of the following:

1. current **B** on the adjacent landmass

_____

_____

(2 marks)

2. meeting of ocean current **C** and **D**.

_____

_____

(2 marks)

e. **Figure 4** is a diagram showing a coastal landform.

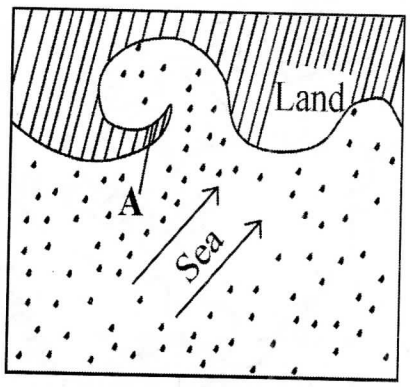


Figure 4

(i) Identify the coastal landform labelled **A**.

_____

(1 mark)

(ii) Describe the process which leads to the formation of coastal landform labelled **A**.

_____

_____

_____

_____

(4 marks)

(iii) Give any **one** example of the coastal landform **A** in Malawi.

_____

(1 mark)

Continued/…

Section B (25 marks)

Answer **one** question only from this section.

4. a. **Figure 5** is a diagram showing a riverine feature.

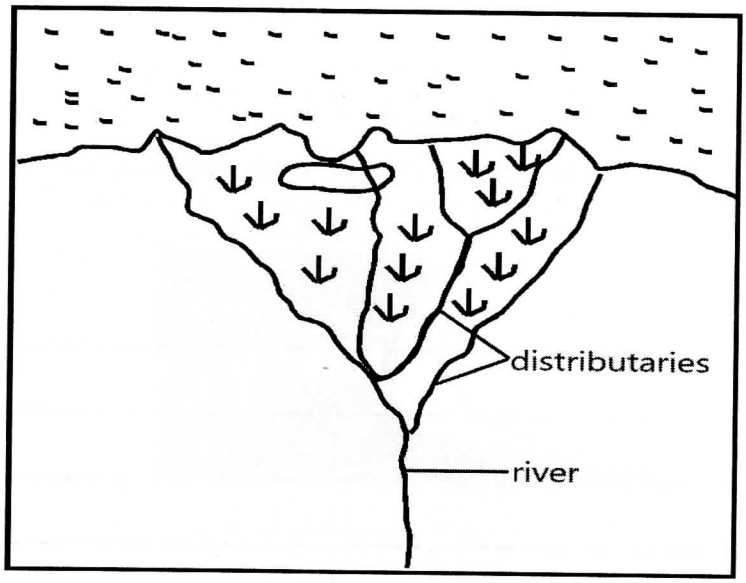


Figure 5

(i) Identify the riverine feature shown in the diagram.

_____

(1 mark)

(ii) State any **two** conditions which influence the formation of the riverine feature shown in the diagram.

_____

_____

(2 marks)

(iii) Briefly describe the process through which the riverine feature shown in the diagram is formed.

_____

_____

_____

_____

_____

_____

(5 marks)

Continued/…

4. (Continued)

b. With the aid of a diagram describe an overfold.

_____

_____

_____

_____

_____

(6 marks)

c. Explain any **two** ways in which fold mountains are important.

_____

_____

_____

_____

(4 marks)

d. Name any **three** continents which drifted from Laurasia.

_____

_____

_____

(3 marks)

e. Explain each of the following pieces of evidence which support the Continental drift theory:

(i) fitting of continental coastlines

_____

_____

(2 marks)

Continued/…

4. e. (Continued)

(ii) similarity of fossils found in different continents

_____

_____

(2 marks)

5. a. **Figure 6** is a diagram showing a riverine feature.

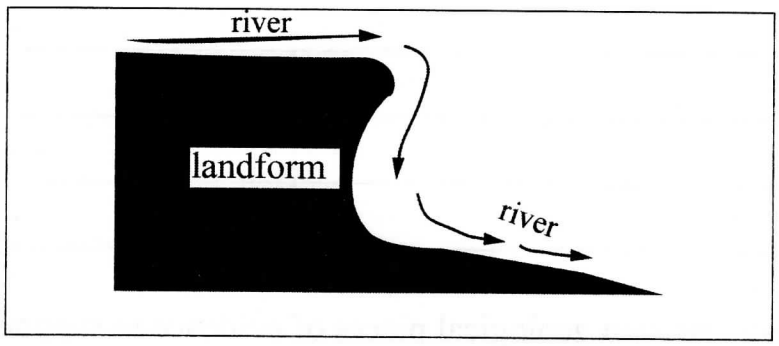


Figure 6

(i) Identify the riverine feature shown the diagram.

_____

(1 mark)

(ii) Give any **two** examples from Malawi, for the riverine feature shown in the diagram.

_____

_____

(2 marks)

(iii) Briefly describe the process through which the riverine feature shown in the diagram is formed.

_____

_____

_____

_____

(4 marks)

(iv) State any **two** ways in which the riverine feature shown is economically important.

_____

_____

(2 marks)

Continued/…

5. (Continued)

b. Mention any **two** examples of fold mountains of the eastern hemisphere.

_____

_____

(2 marks)

c. Explain any **two** challenges which are experienced by people who live in fold mountain regions.

_____

_____

_____

_____

(4 marks)

d. Explain any **two** geological pieces of evidence in support of the Continental drift theory.

_____

_____

_____

_____

(4 marks)

e. State the role of each of the following agents during the formation of metamorphic rocks.

(i) heat

_____

(1 mark)

(ii) water

_____

(1 mark)

f. Describe the process for the formation of organic sedimentary rocks.

_____

_____

_____

_____

(4 marks)

END OF QUESTION PAPER

NB: This paper contains 12 printed pages